

FIG. 1A

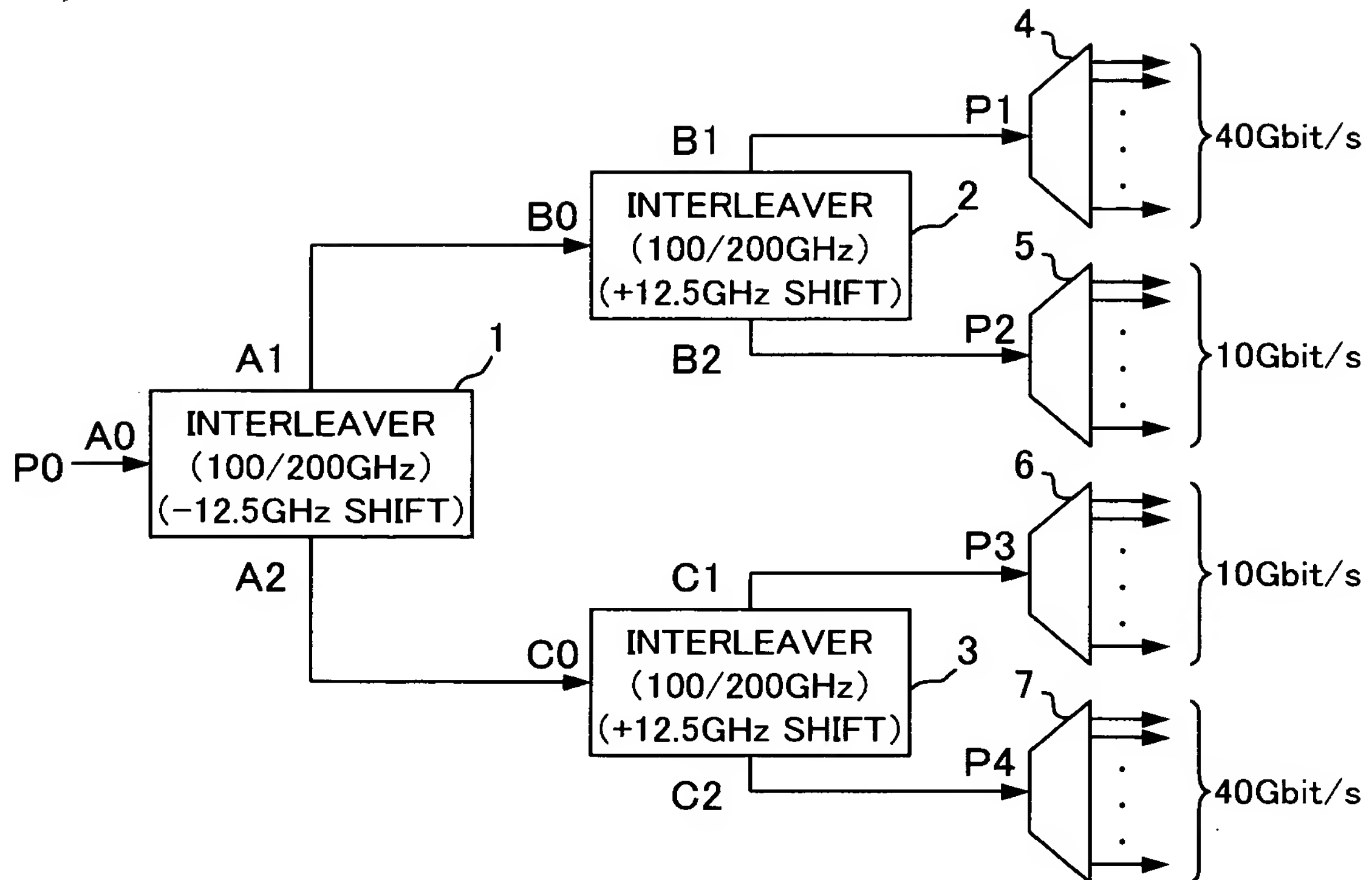


FIG. 1B

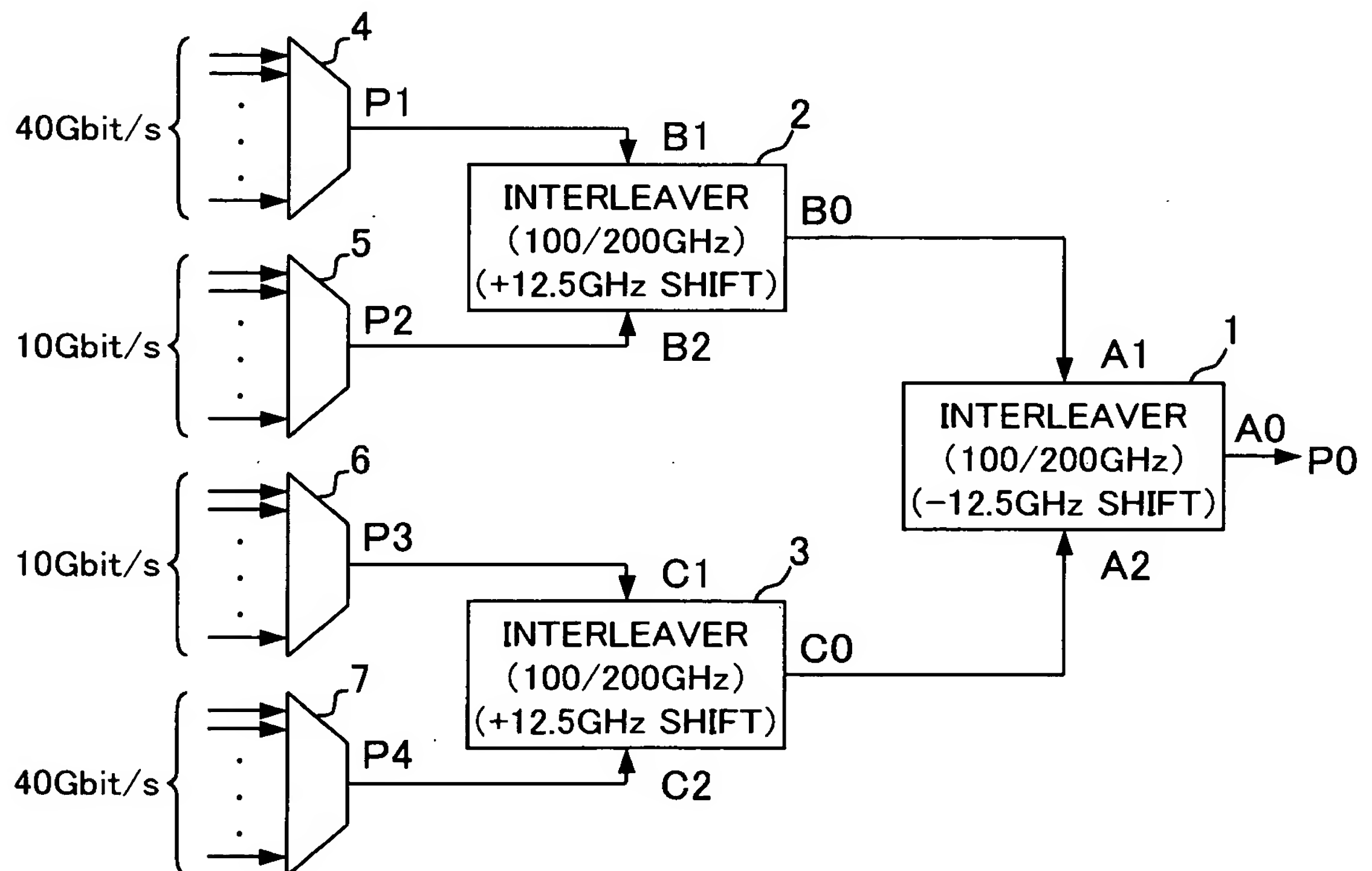


FIG. 2

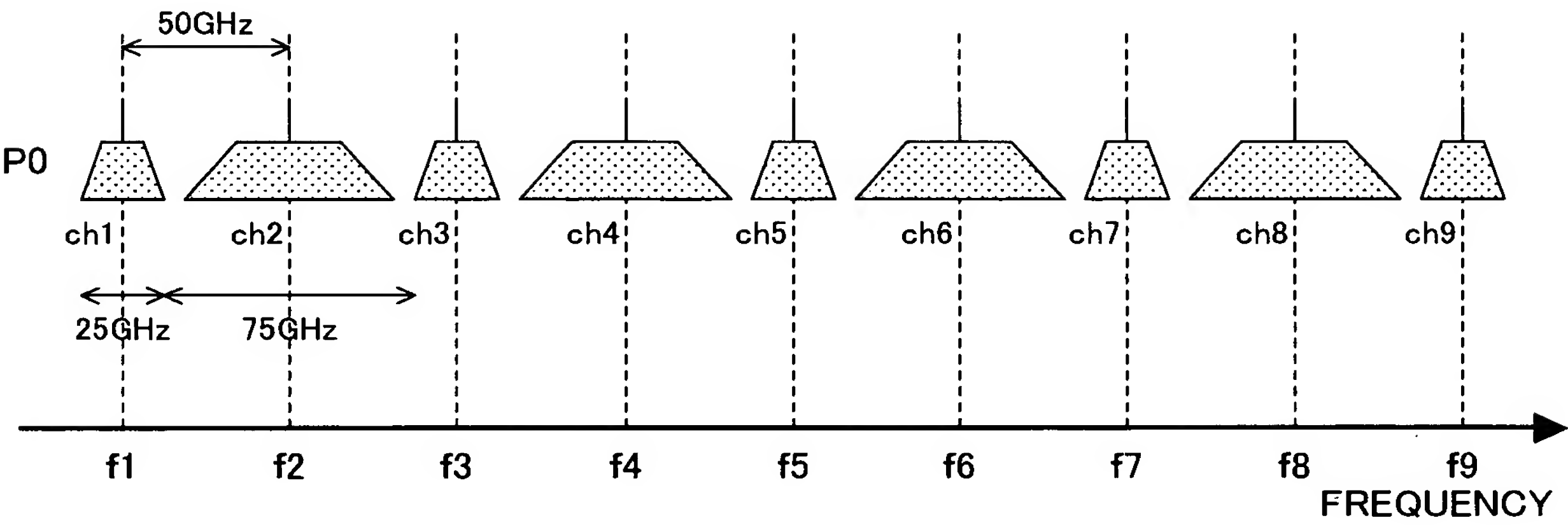


FIG. 3

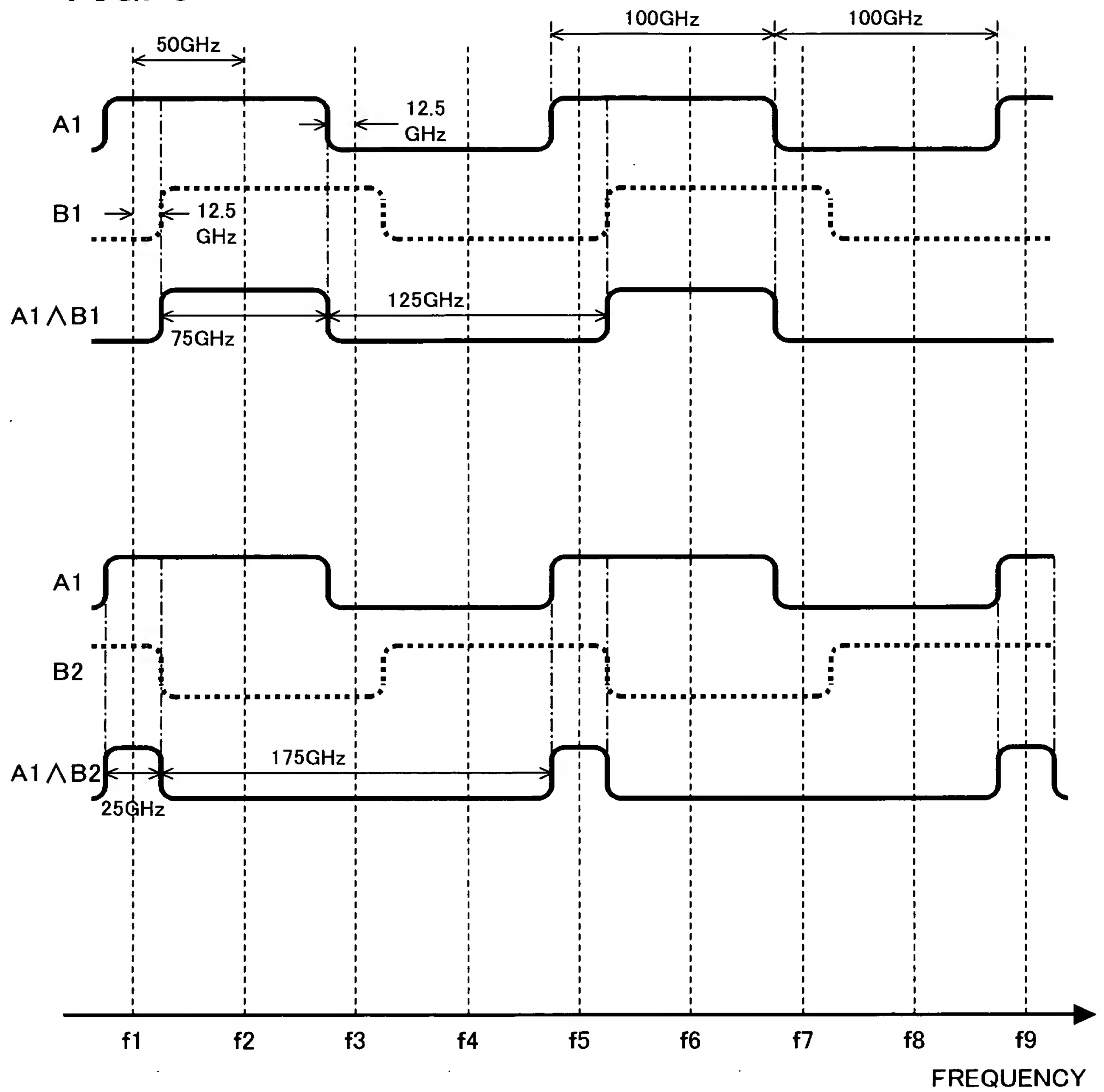


FIG. 4

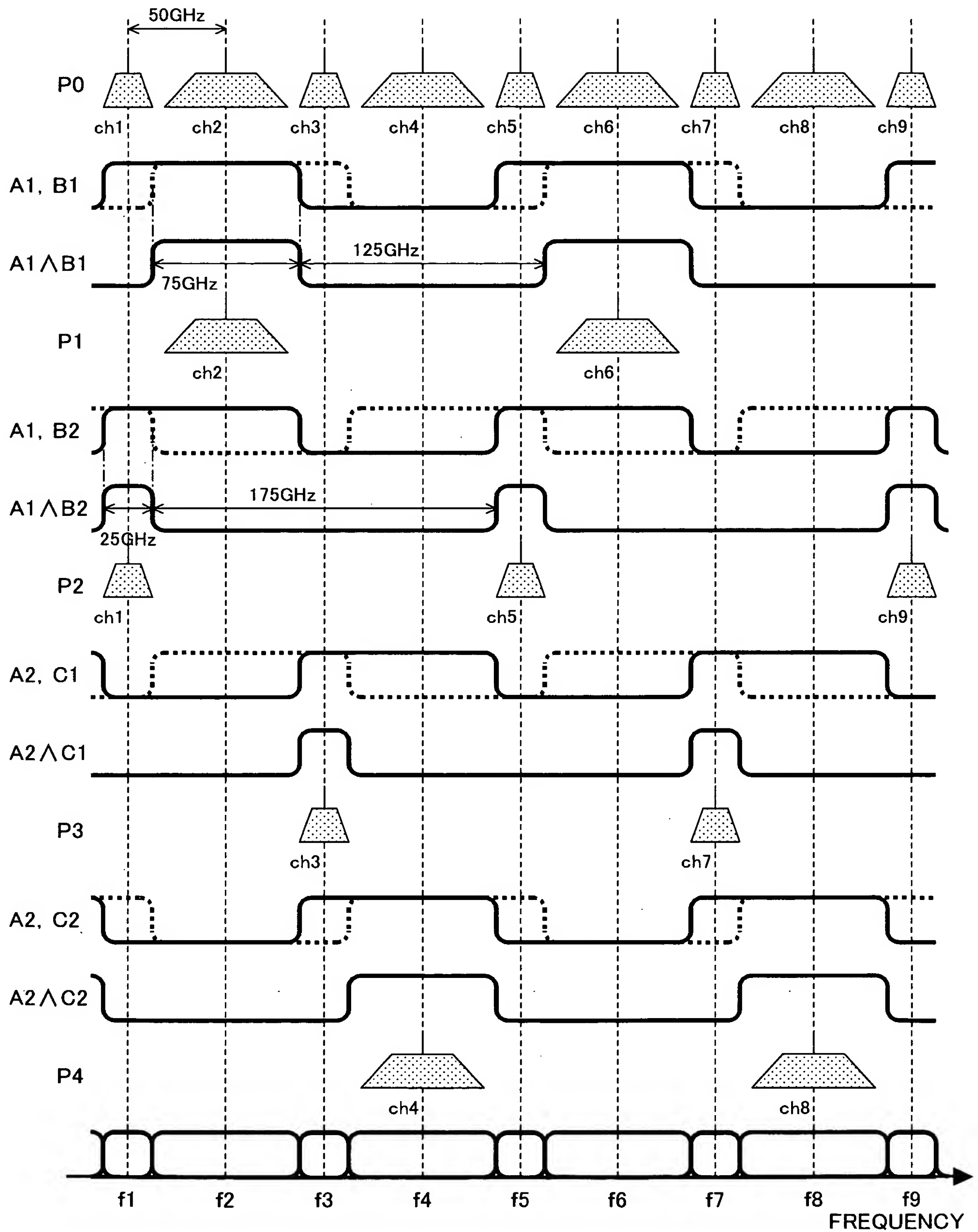


FIG. 5A

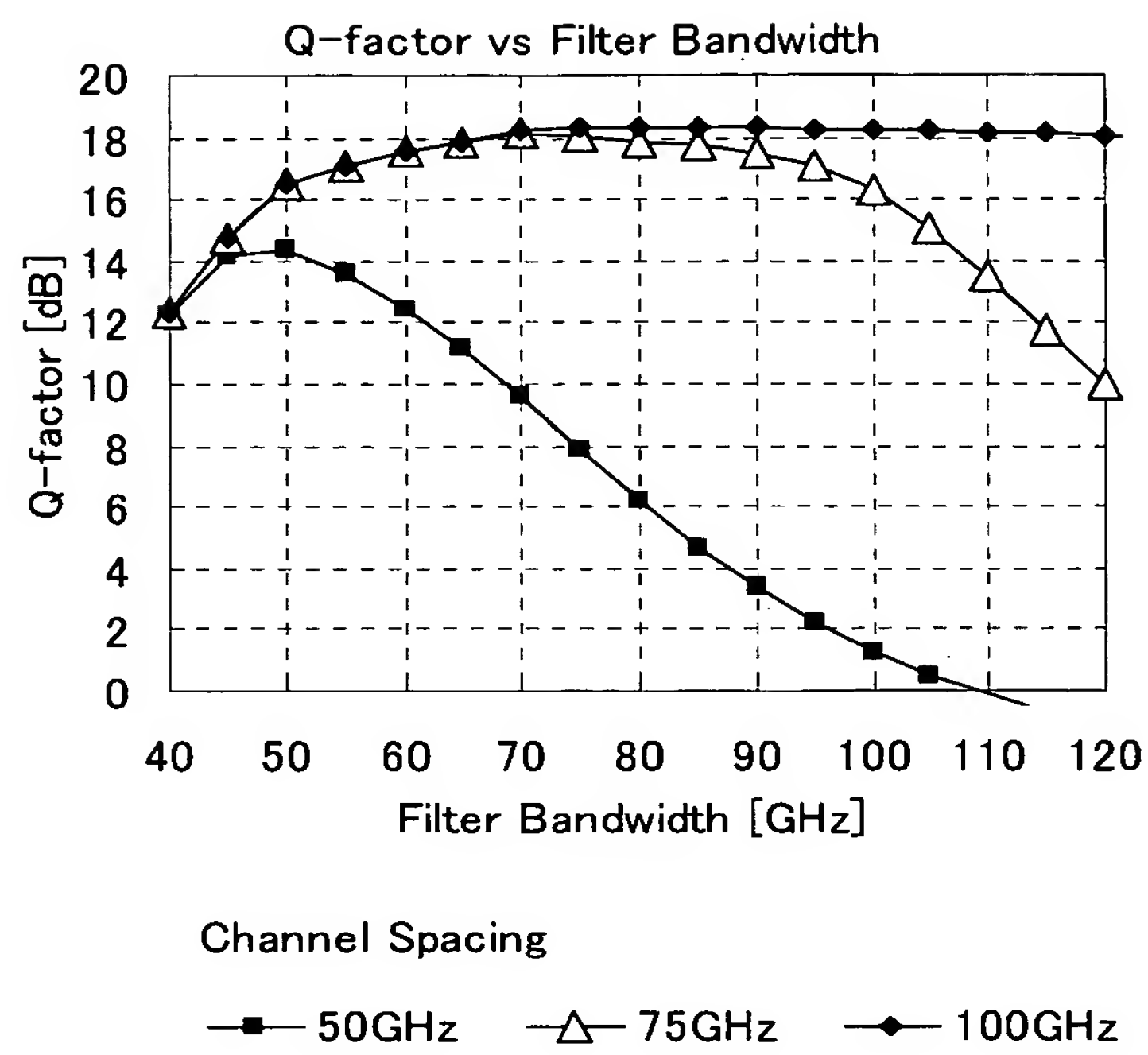


FIG. 5A

BIT RATE	WAVELENGTH INTERVAL	SPECTRAL EFFICIENCY
10 Gbit/s	50 GHz	0.20
10 Gbit/s	25 GHz	0.40
40 Gbit/s	100 GHz	0.40
10 Gbit/s & 40 Gbit/s	50 GHz	0.50
40 Gbit/s	75 GHz	0.53

FIG. 6A

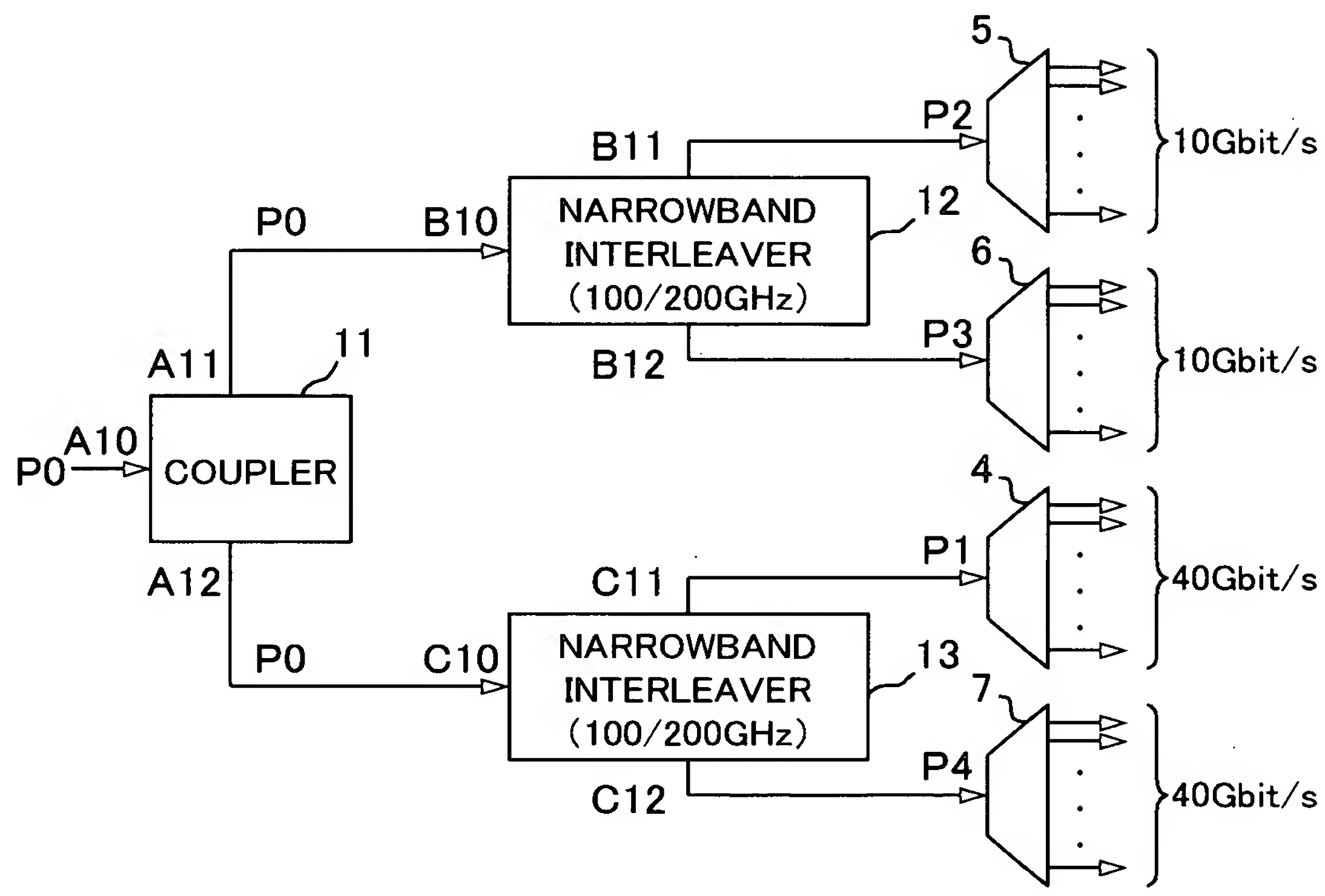


FIG. 6B

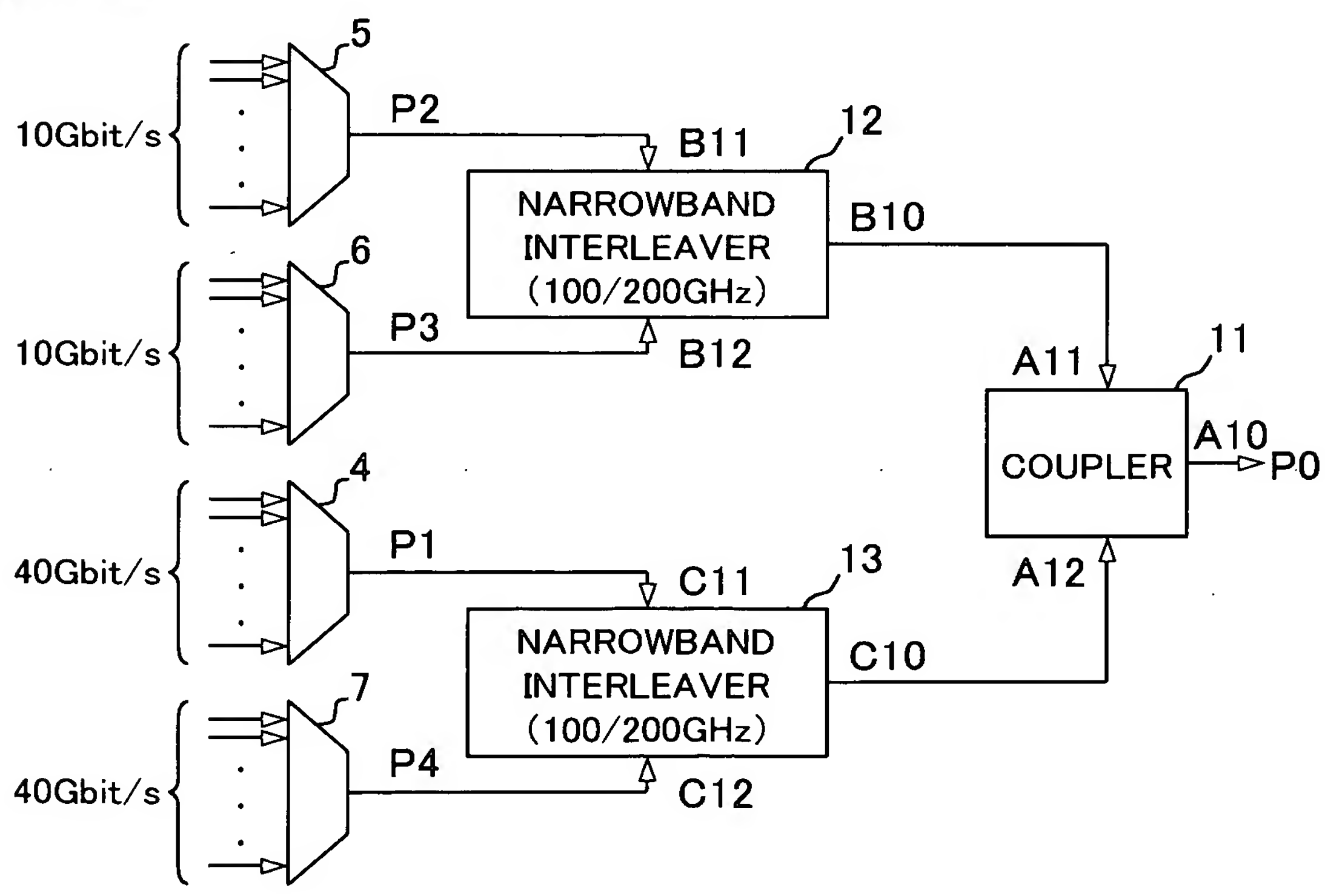


FIG. 7

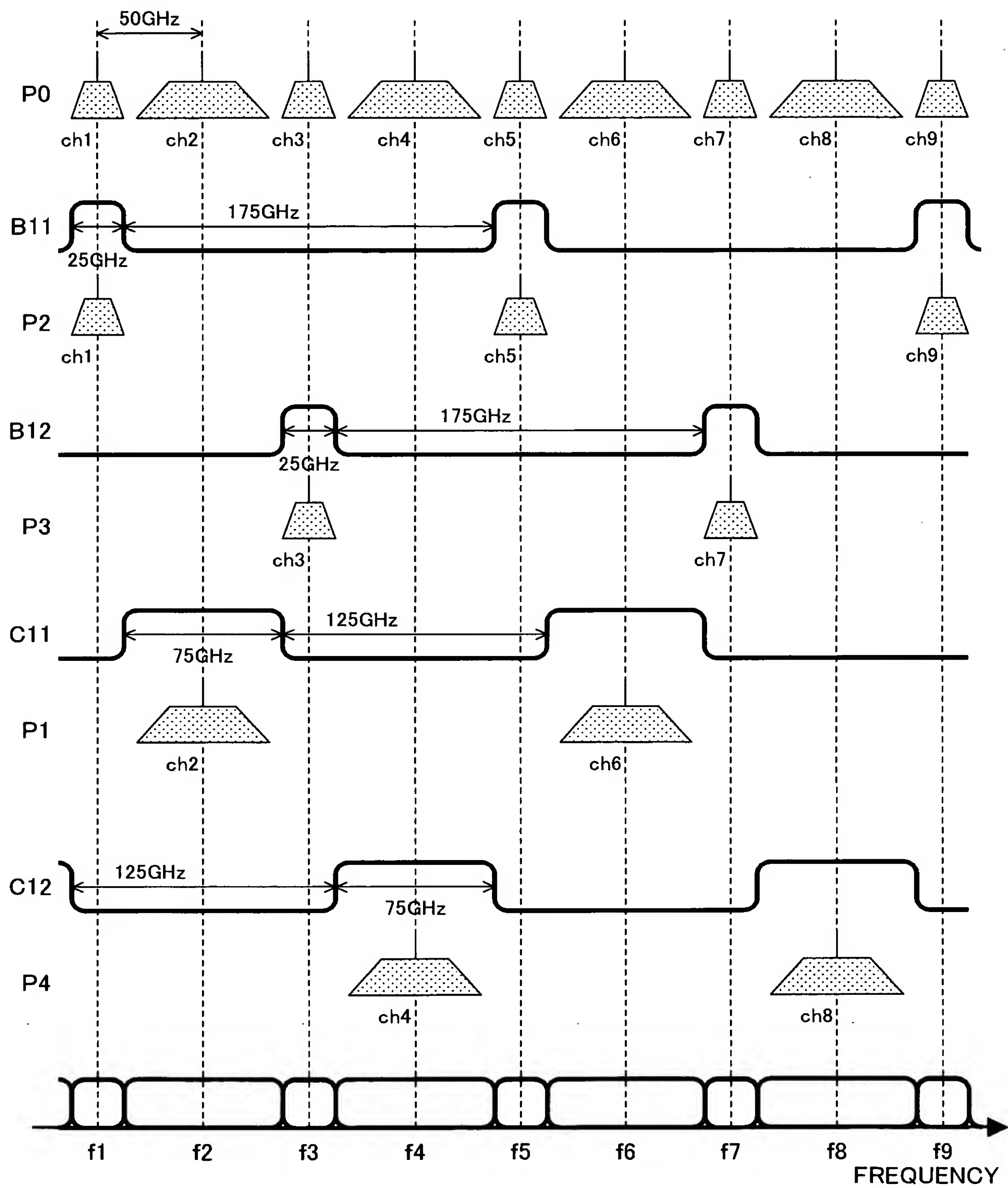


FIG. 8A

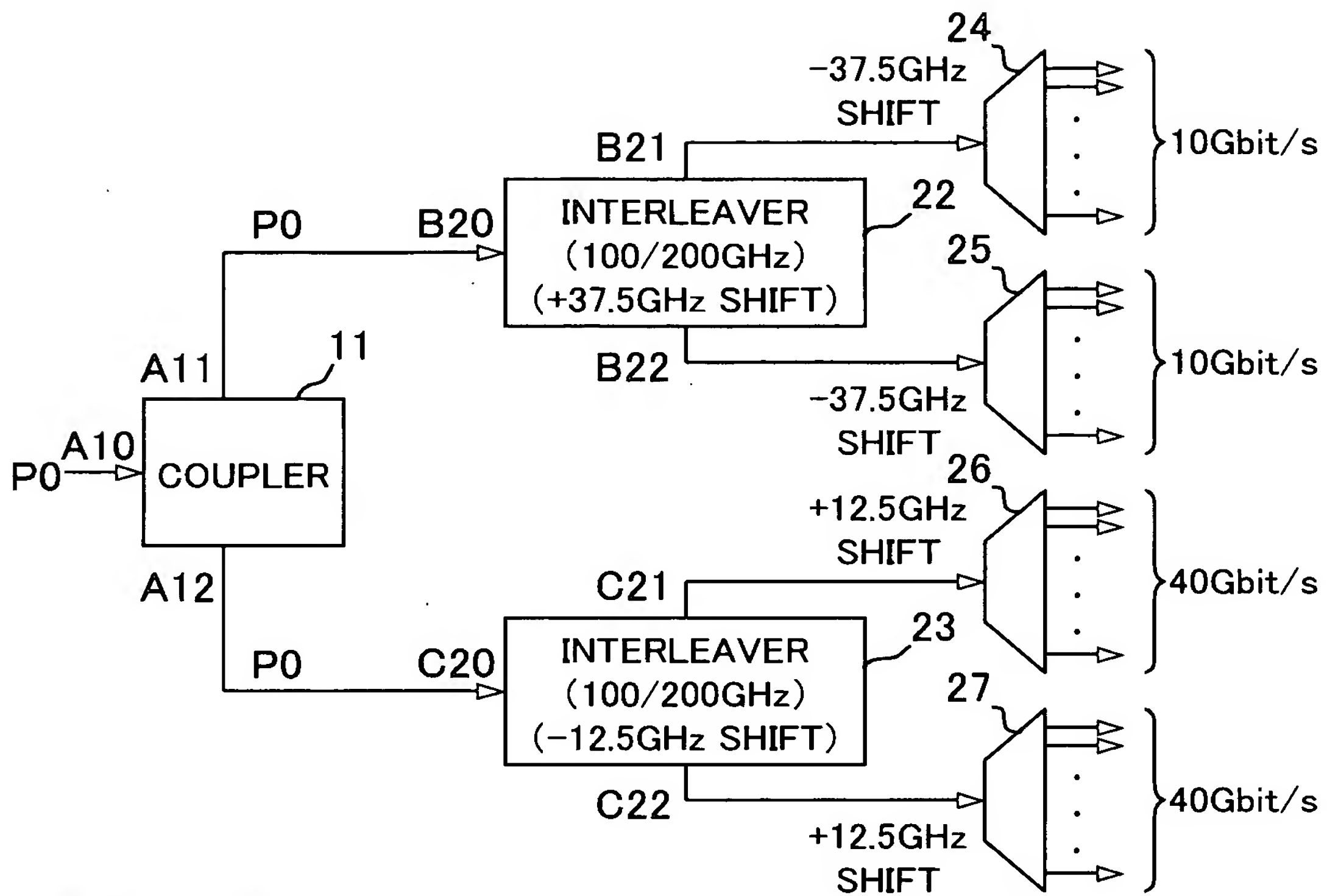


FIG. 8B

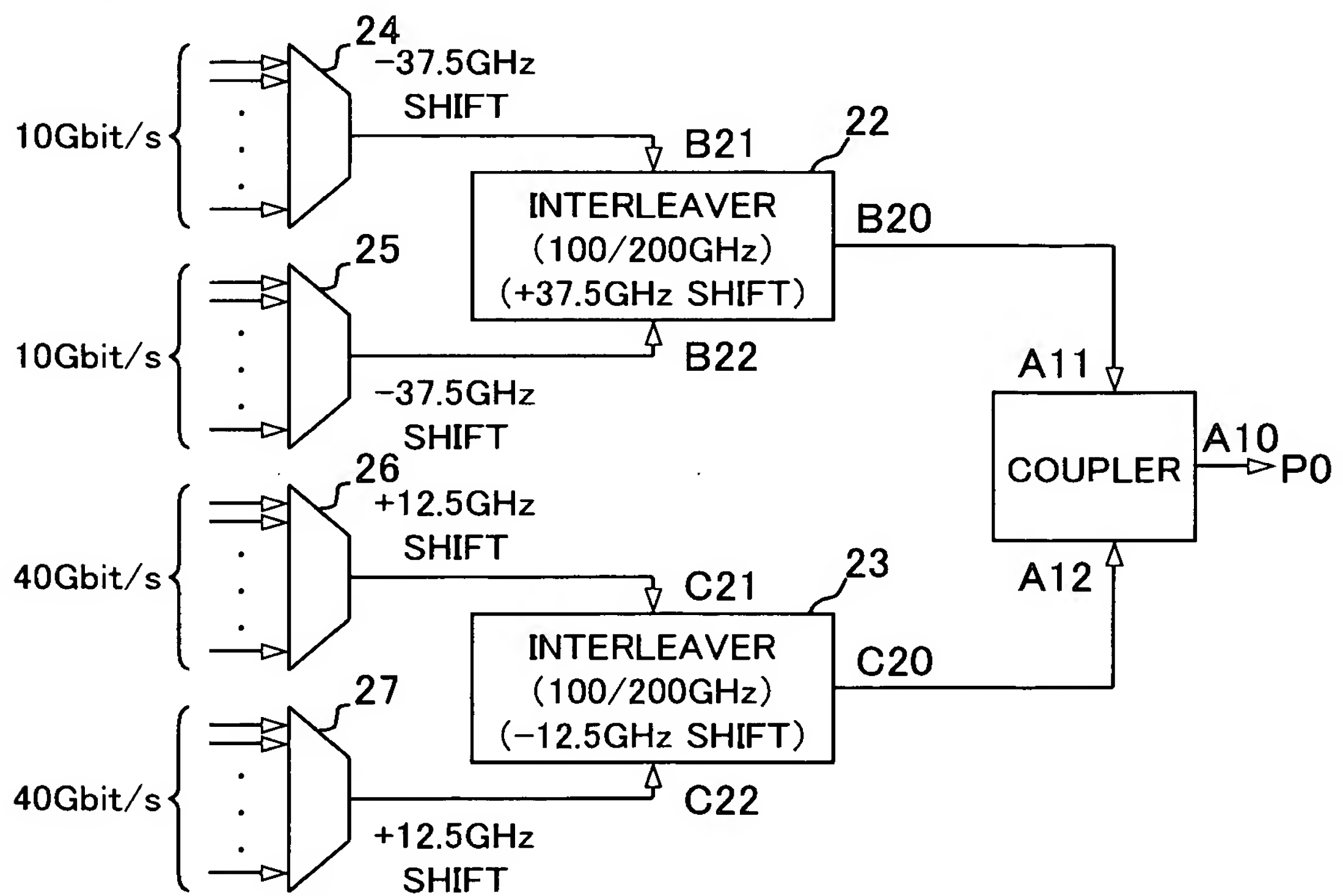




FIG. 9

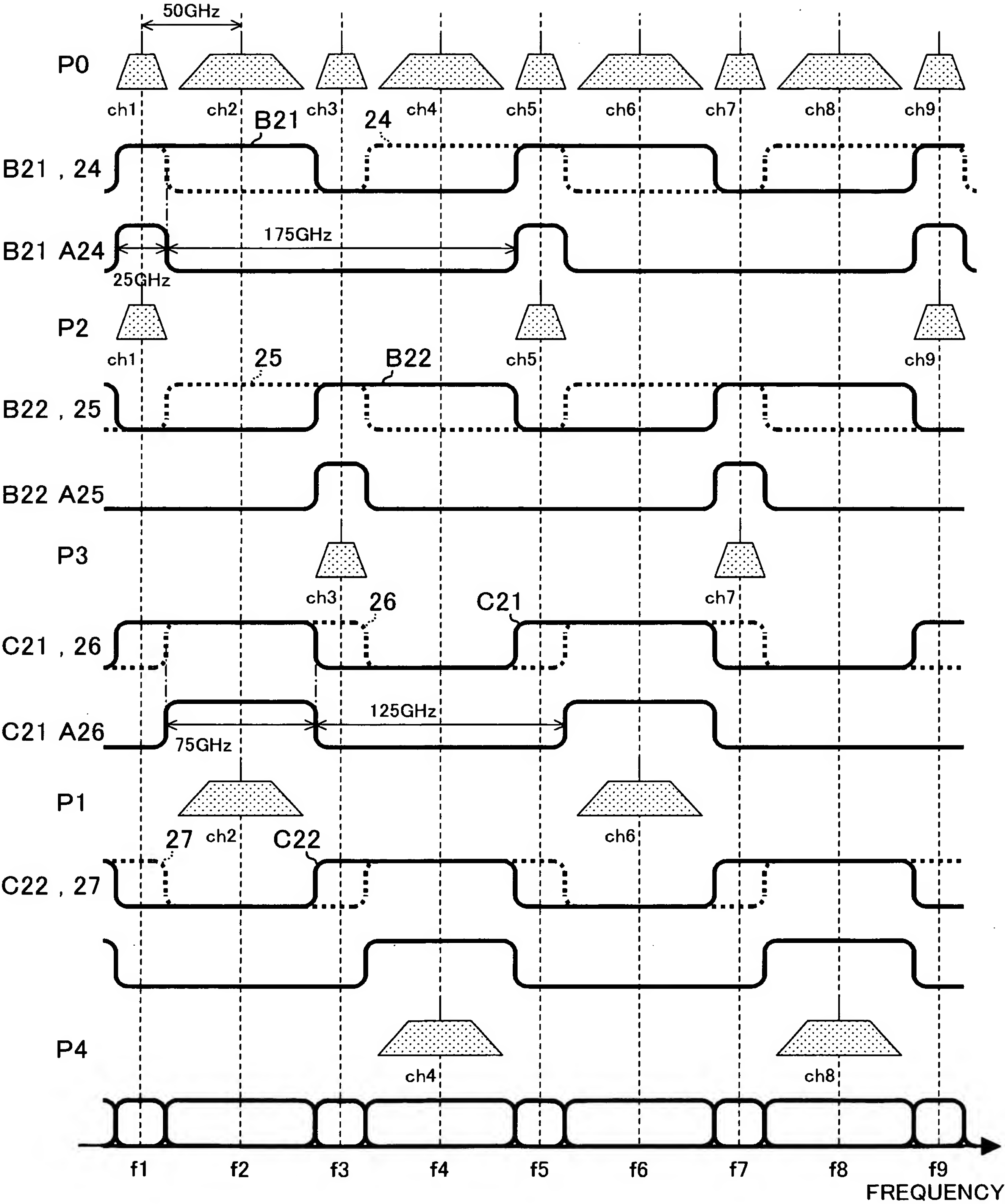


FIG. 10A

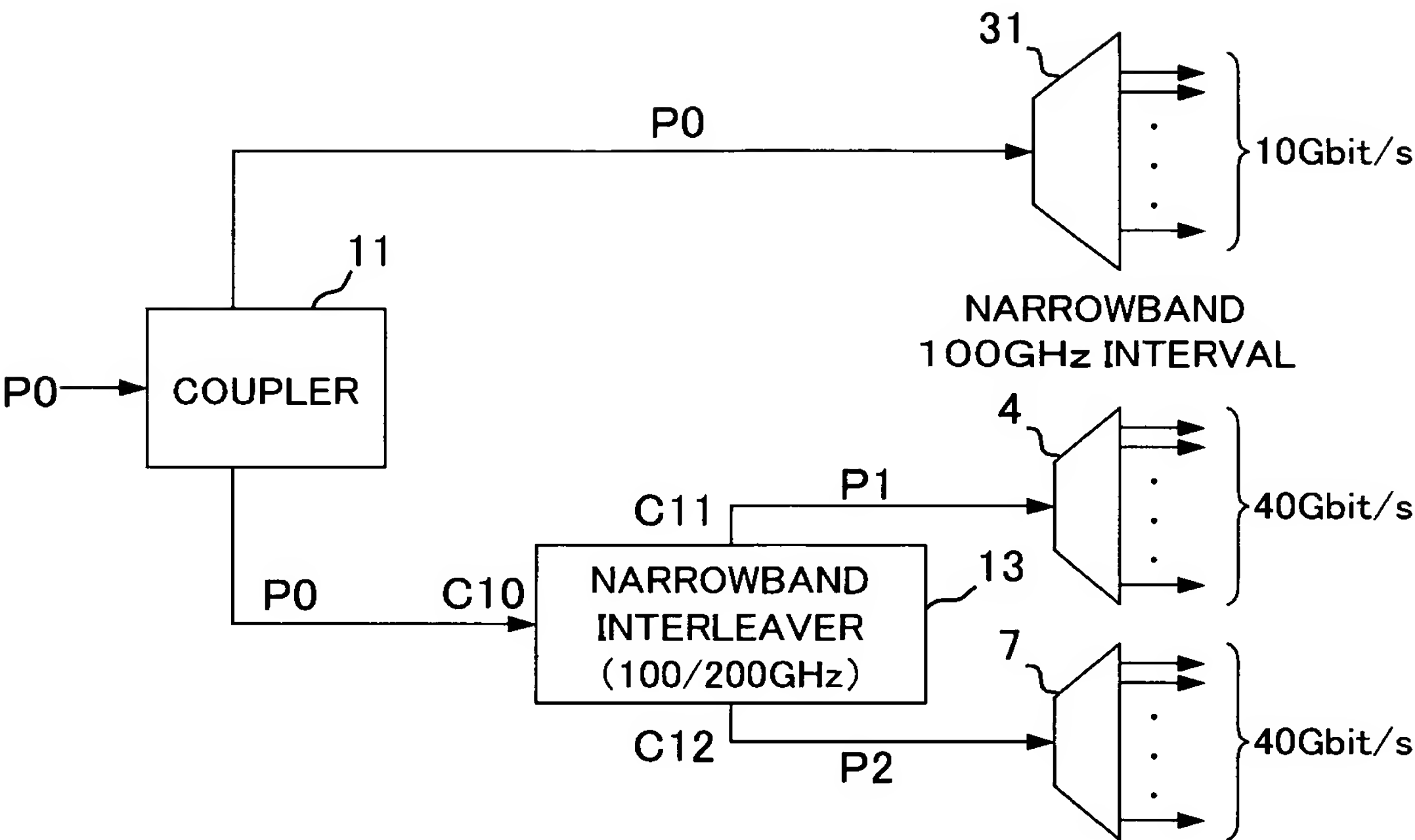


FIG. 10B

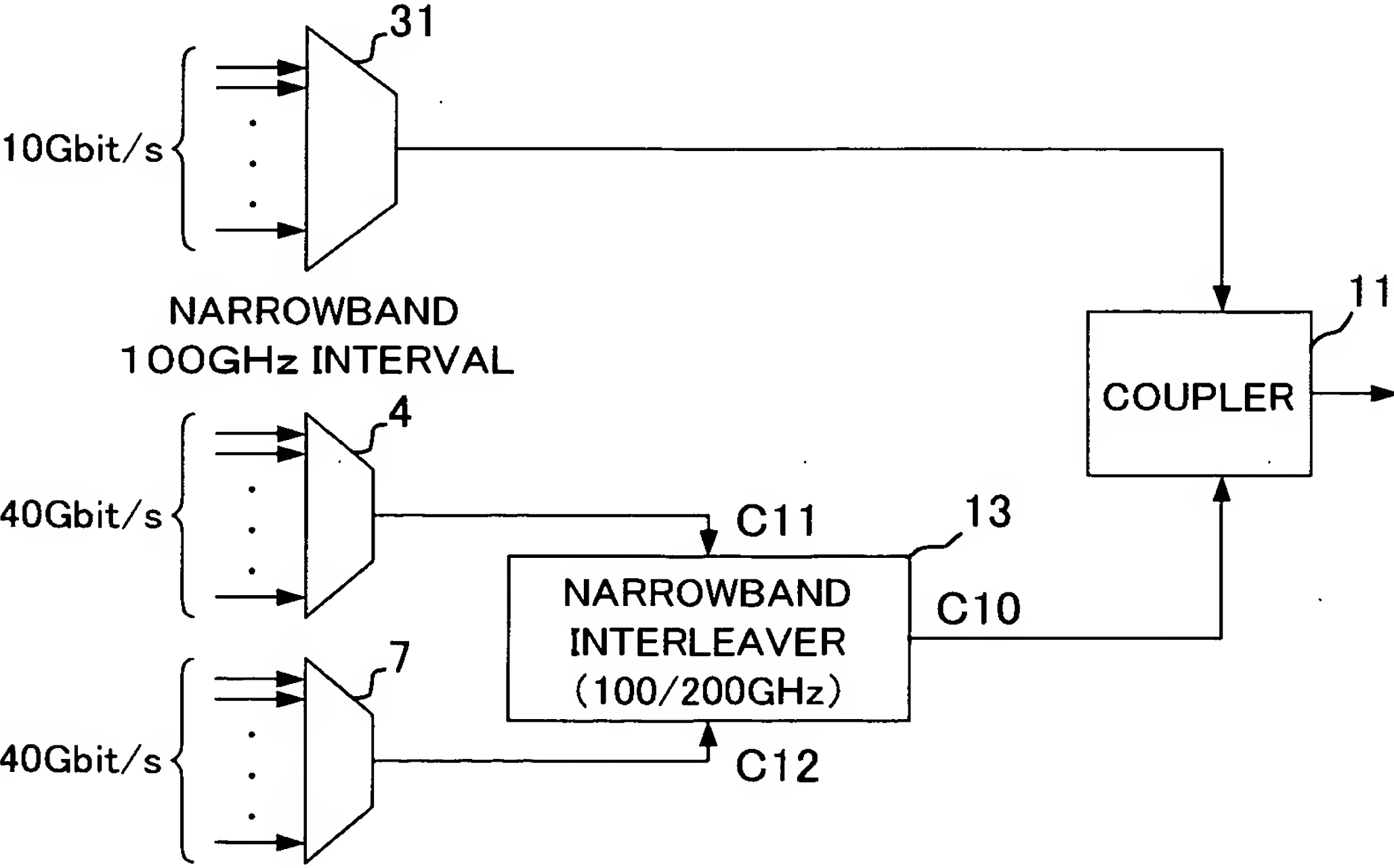


FIG. 11

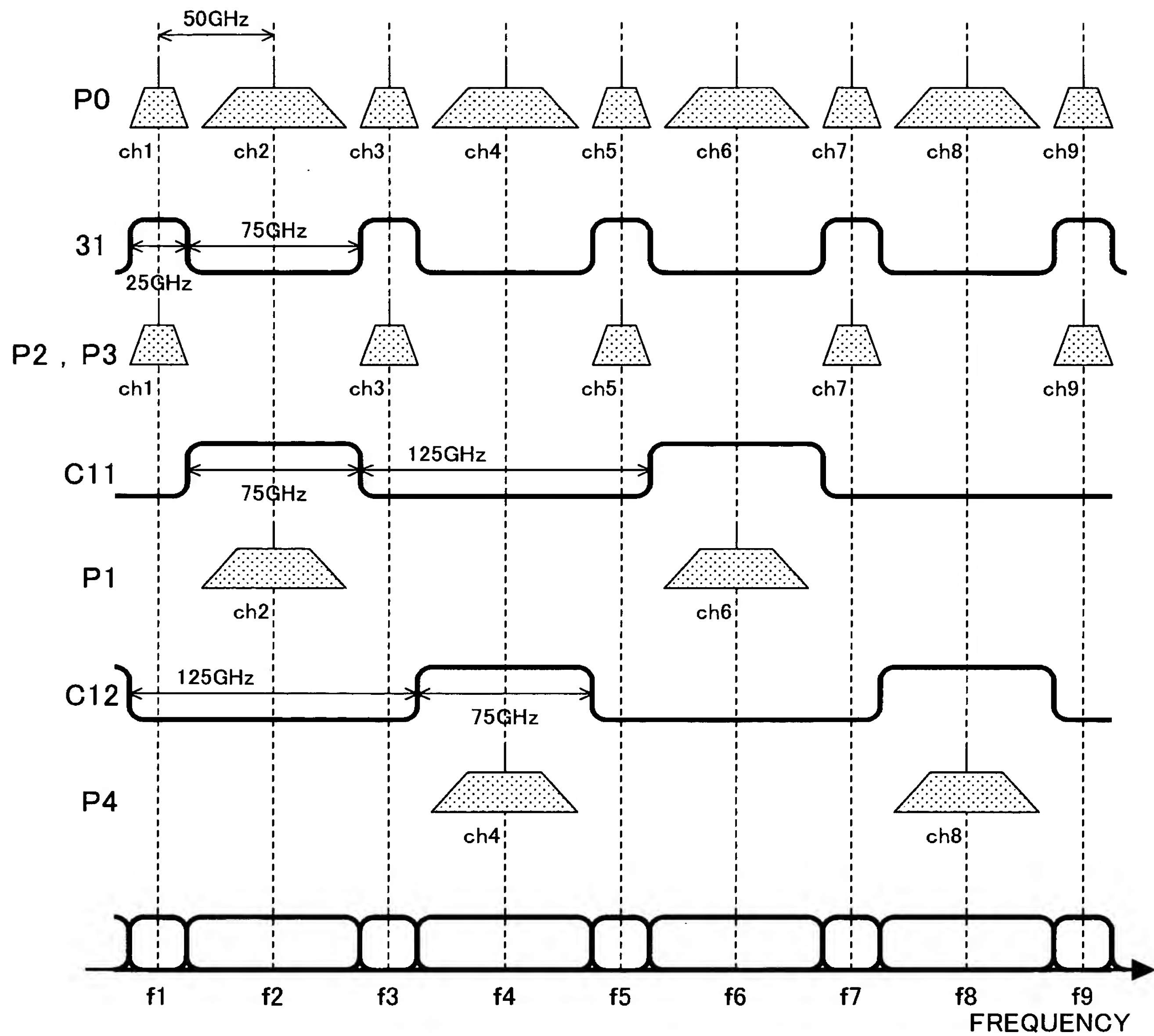


FIG. 12A

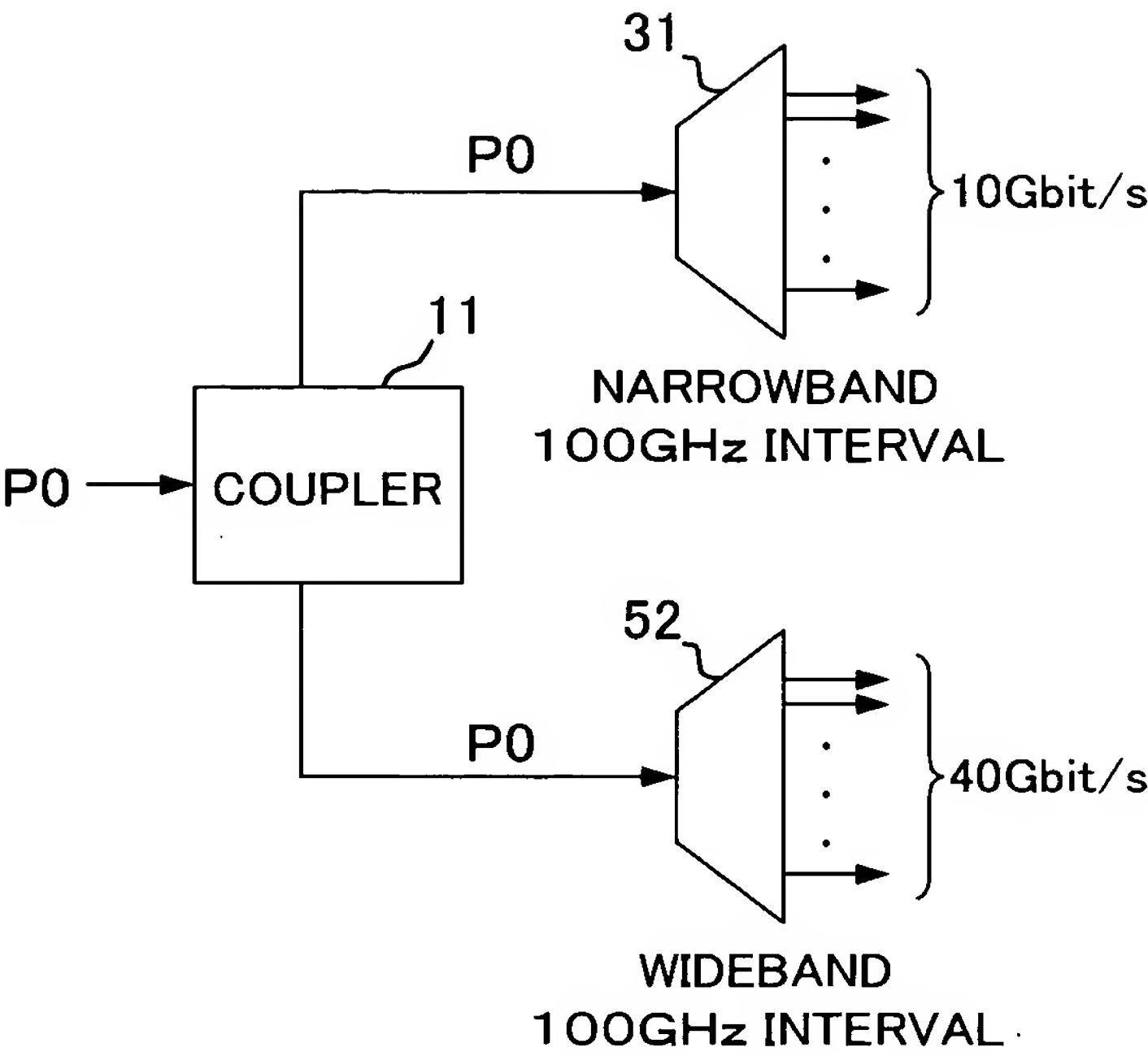


FIG. 12B

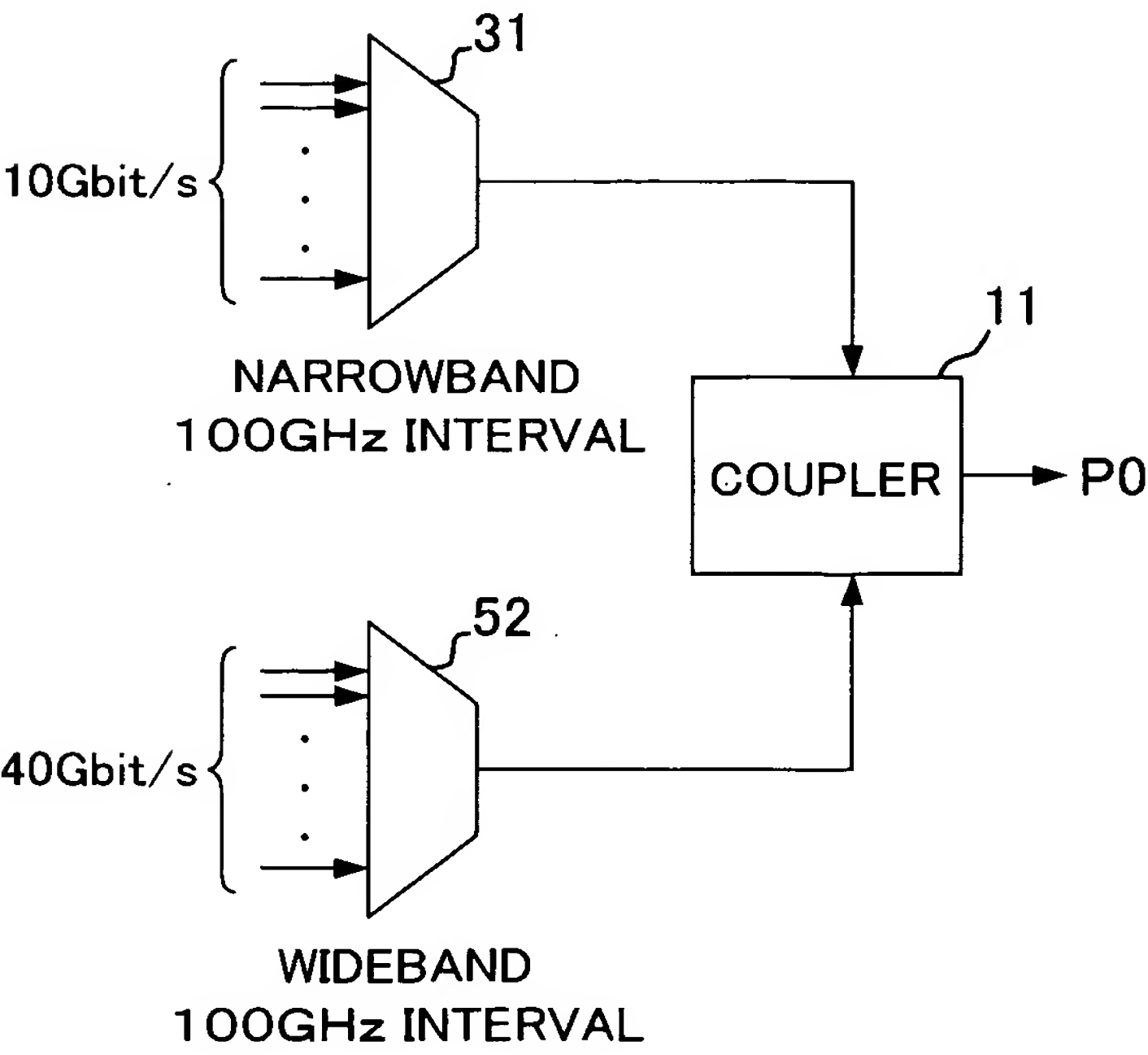


FIG. 13

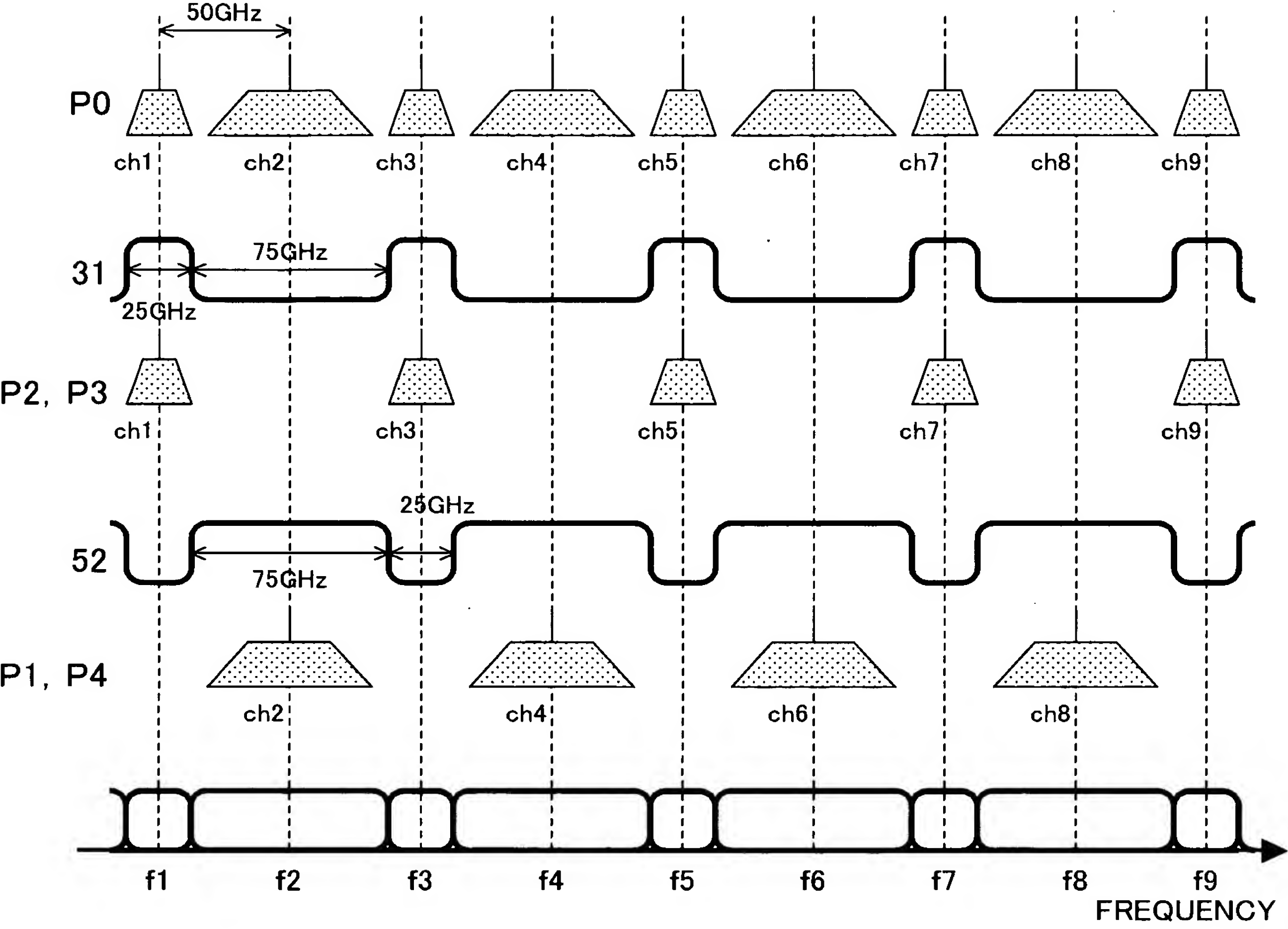


FIG. 14A

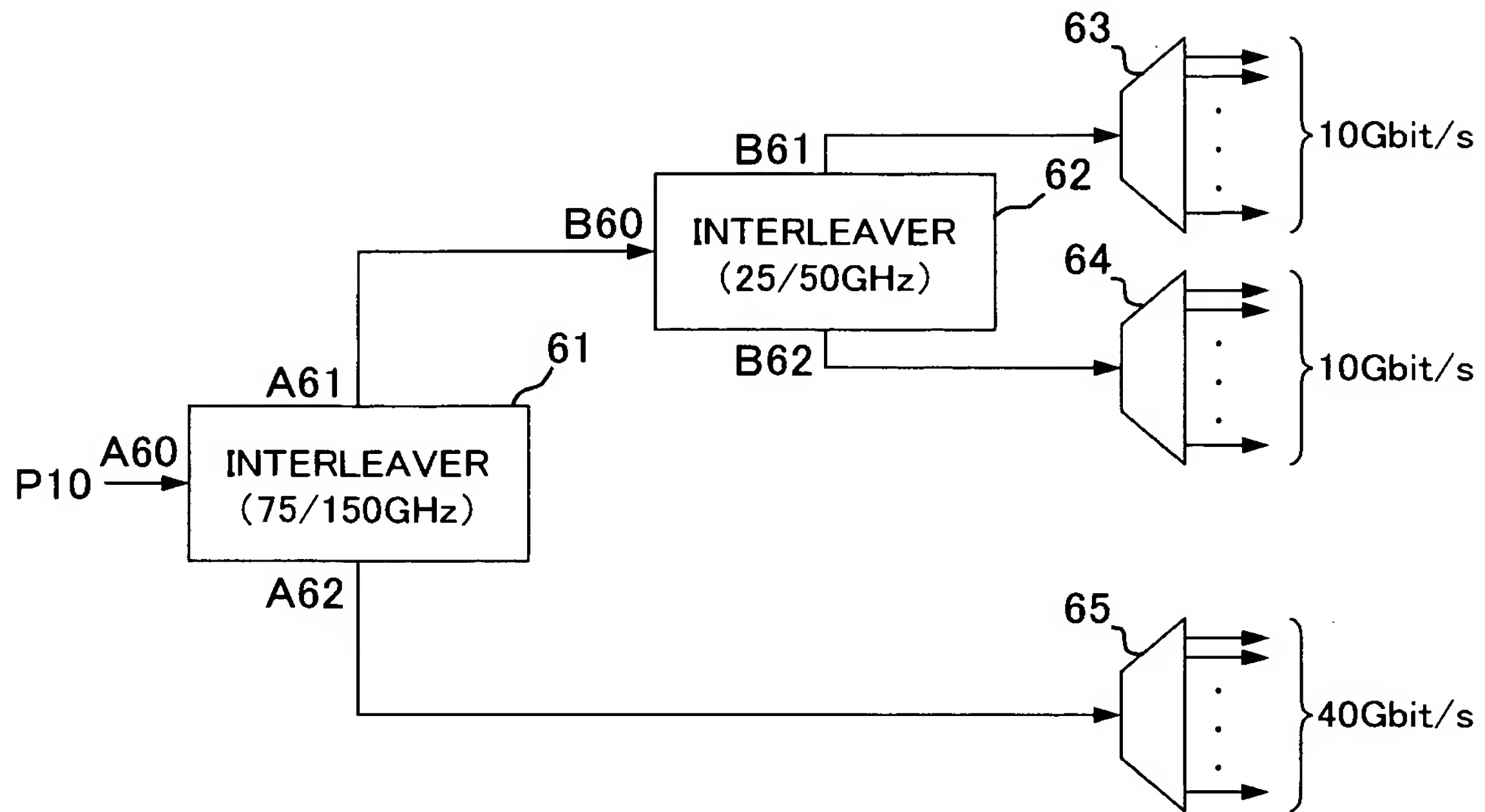


FIG. 14B

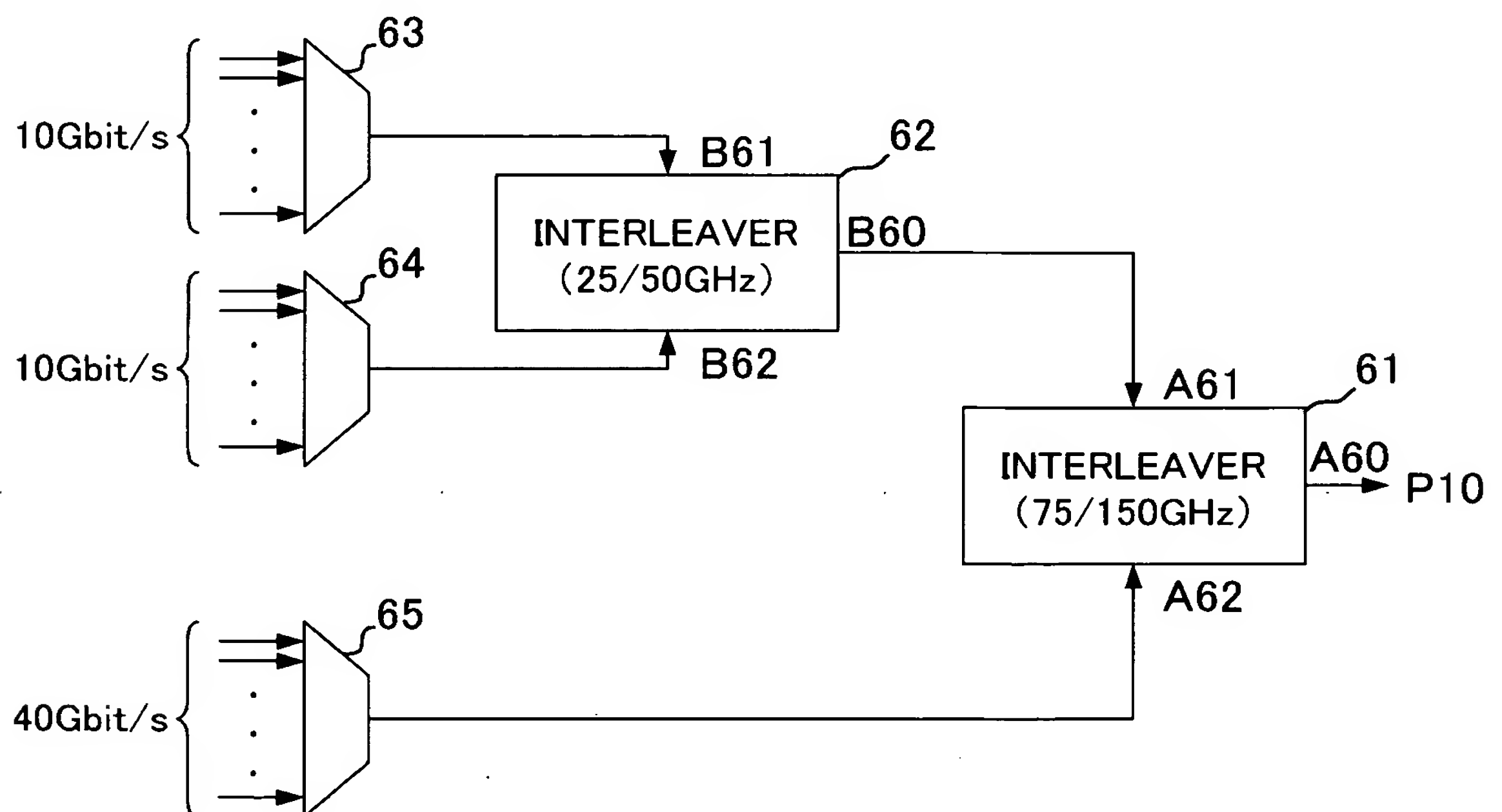


FIG. 15

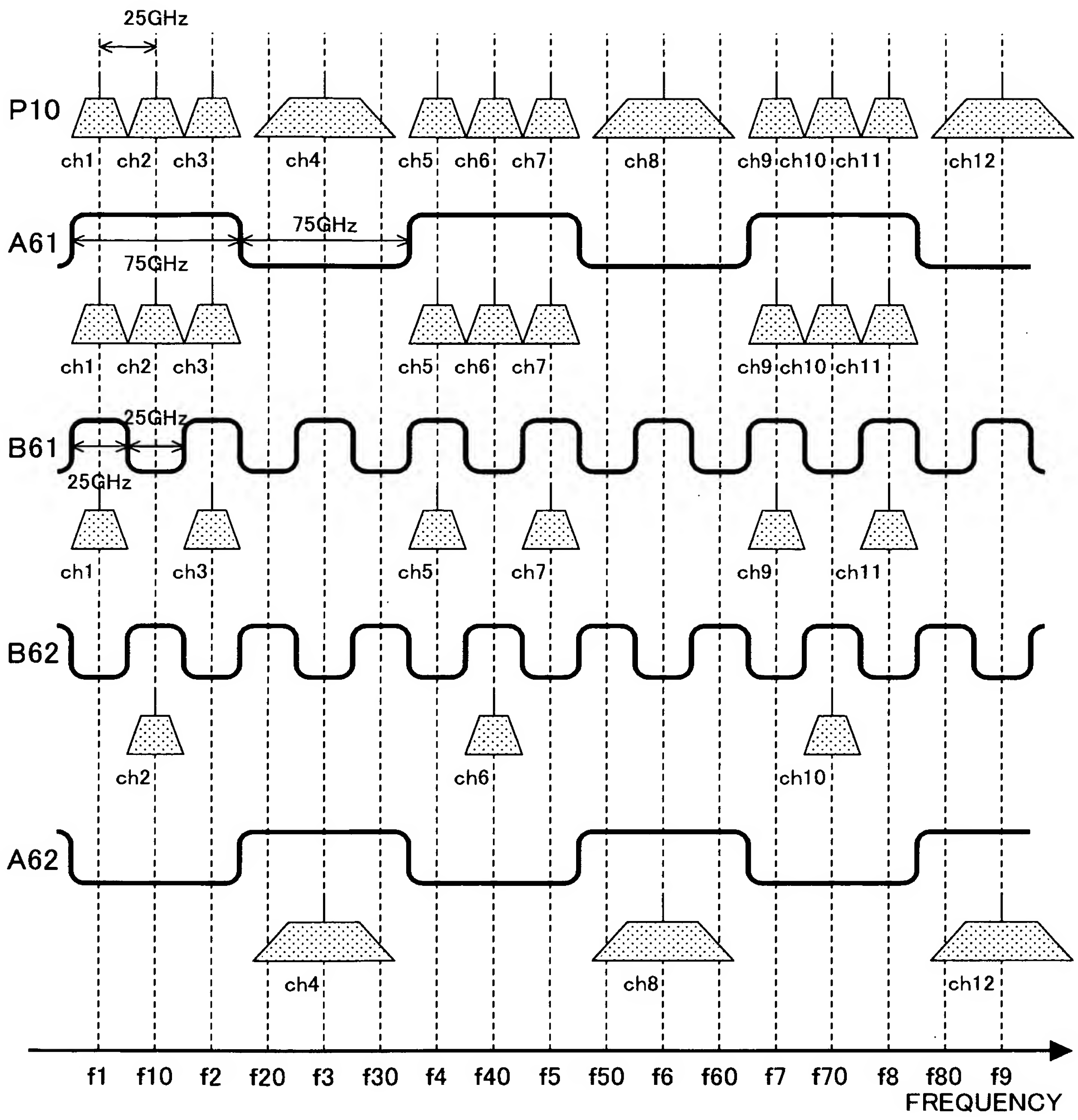


FIG. 16A

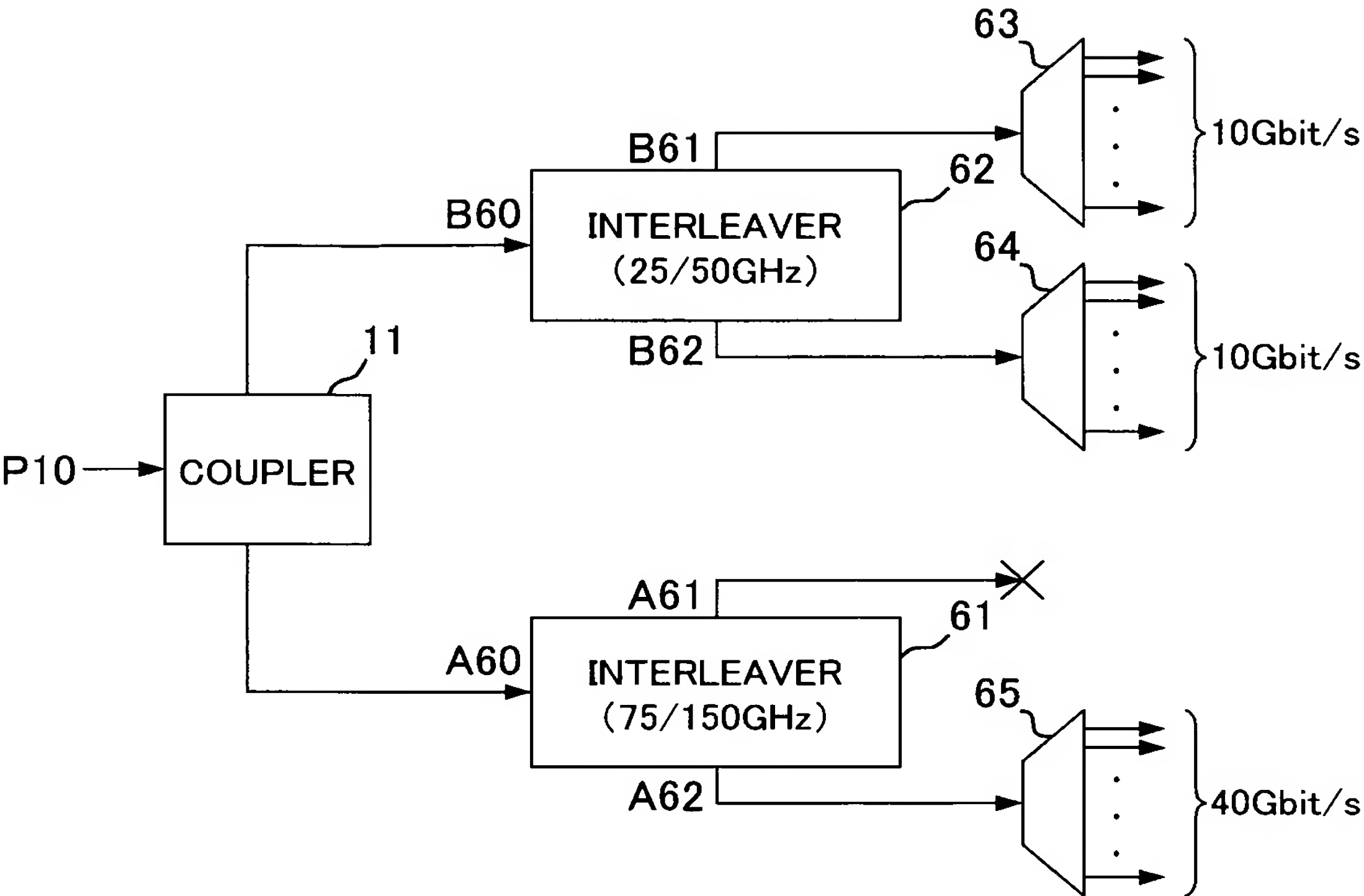


FIG. 16B

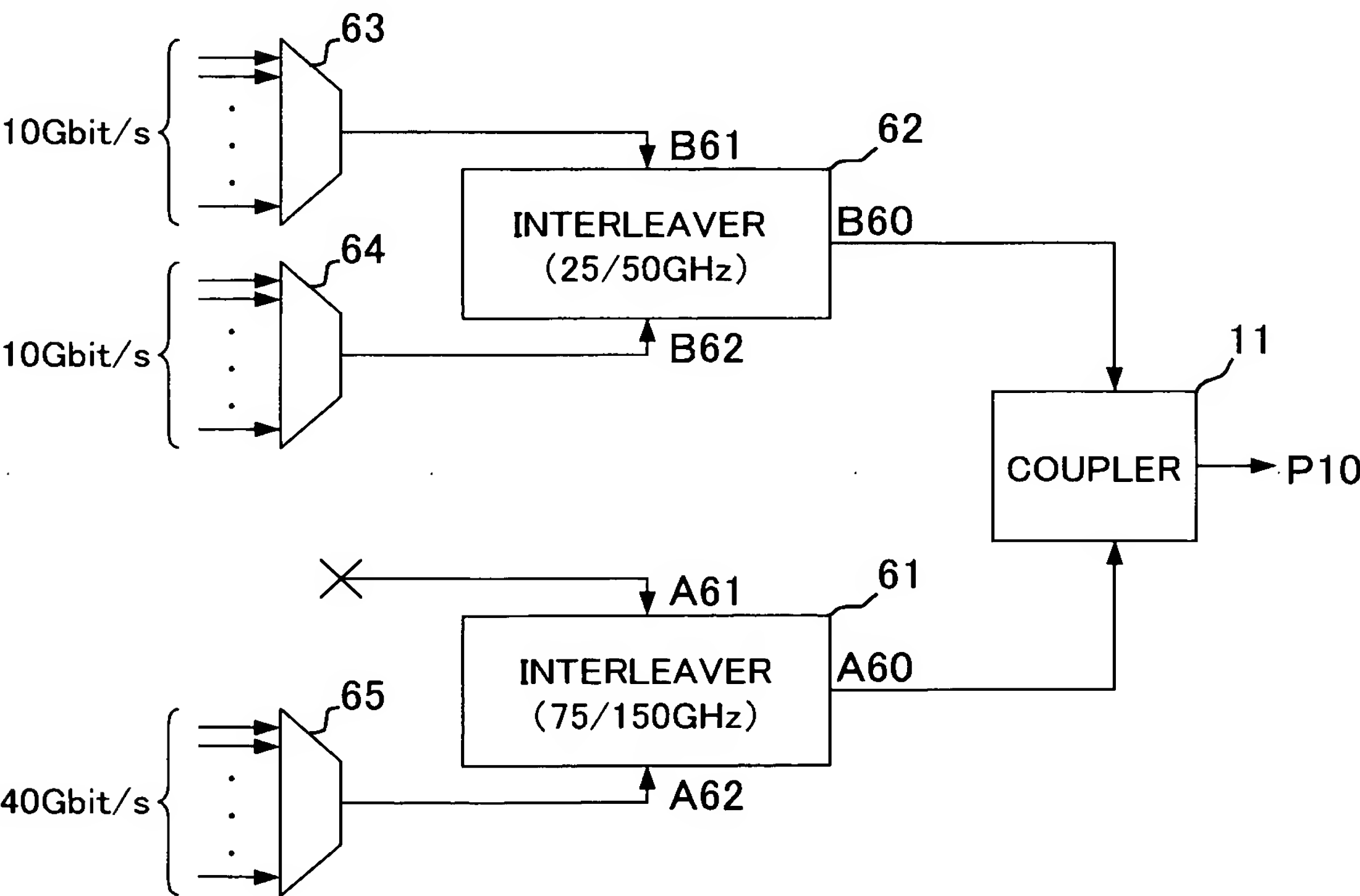




FIG. 17

